UTAH - 2011-2012 Influenza Season Weekly Update
Data is for the week ending 12/10/2011 (MMWR week 49)
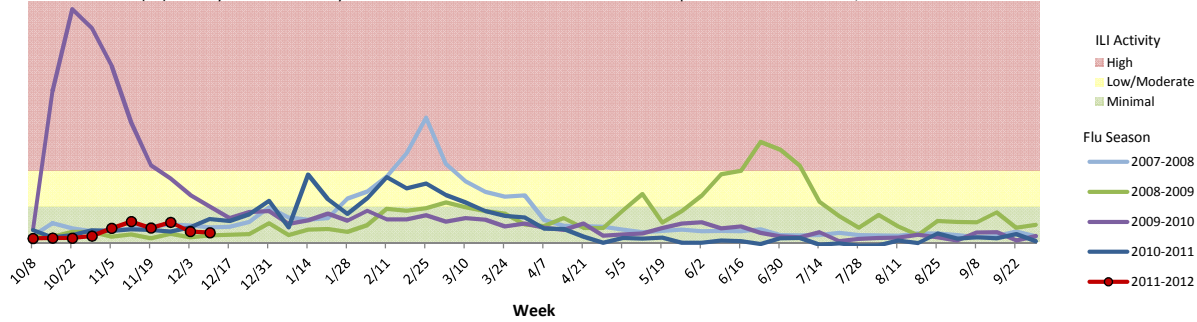*Created 12/14/2011*

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Influenza-like Illness Activity

Weekly Influenza-like Illness Activity

Influenza-like illness (ILI) activity as measured by the number of standard deviations from the epidemic threshold- Utah, 2011-2012
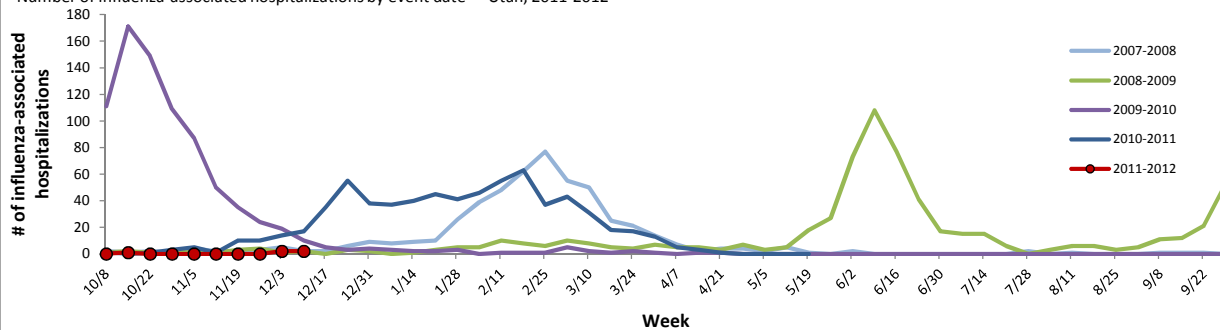

ILI Activity
- High
- Low/Moderate
- Minimal

Flu Season
- 2007-2008
- 2008-2009
- 2009-2010
- 2010-2011
- 2011-2012

Week

Influenza-like Illness (ILI) Activity Levels by Health District - Utah

Health District	ILI Activity
Bear River	Minimal
Central	Minimal
Davis	Minimal
Salt Lake	Minimal
Southwest	Minimal
Summit	Minimal
Tooele	Minimal
TriCounty	No Data
Utah	Minimal
Wasatch	Minimal
Weber-Morgan	Minimal
State	**Minimal**

Severity Measures

Influenza-associated Hospitalizations

Number of influenza-associated hospitalizations by event date* - Utah, 2011-2012

- 2007-2008
- 2008-2009
- 2009-2010
- 2010-2011
- 2011-2012

Week

*Event date is calculated based on a hierarchy of dates: 1. onset date 2. specimen collection date 3. date reported to public health.

Summary Data for Influenza-associated Hospitalizations, 2011-2012 Season to Date

	Variable	Number of cases	% of IAH cases	% in Utah pop	p value*
Sex	Male	4	80.0%	50.3%	0.1841
	Female	1	20.0%	49.7%	0.1841
	Unknown	0	0.0%	NA	--
Race	White, Not Hispanic	5	100.0%	82.0%	0.2954
	Hispanic	0	0.0%	11.6%	0.4182
	Native Hawaiian/Pacific Islander	0	0.0%	0.7%	0.8535
	Black/African American	0	0.0%	0.9%	0.8282
	American Indian	0	0.0%	1.1%	0.8109
	Asian	0	0.0%	1.9%	0.7576
	Unknown	0	0.0%	NA	--

*If a p value is ≤ 0.05, there is a significant difference between the percentage seen in IAH and the general Utah population.

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Severity Measures, cont.

Cases of Influenza-associated Hospitalizations by Age Group, Utah, 2011-2012

Age Group	Total Cases Season to Date	Percent of Cases	Cases/ 100,000 Population	New Cases in Past Week
0-4 years	0	0.0%	0.0	0
5-24 years	0	0.0%	0.0	0
25-49 years	2	40.0%	0.2	0
50-64 years	3	60.0%	0.7	2
65+ years	0	0.0%	0.0	0
Total	5	100%	0.2	2

Influenza-associated Hospitalizations by Health District, 2011-2012 Season to Date

Health District	Total Hospitalizations
Bear River	0
Central	0
Davis	0
Salt Lake	4
Southeastern	0
Southwest	0
Summit	0
Tooele	0
TriCounty	0
Utah	1
Wasatch	0
Weber-Morgan	0

Summary Data for Influenza-associated Hospitalizations, 2011-2012 Season to Date

Variable	Yes Number of Cases	Yes % of cases	No Number of Cases	No % of cases	Unknown Number of Cases	Unknown % of cases
ICU	1	20.0%	3	60.0%	1	20.0%
Ventilator	1	20.0%	2	40.0%	2	40.0%
Died	0	0.0%	2	40.0%	3	60.0%
Neurological Symptoms	0	0.0%	2	40.0%	3	60.0%
Healthcare Worker	1	20.0%	1	20.0%	3	60.0%
Pregnant	0	0.0%	5	100.0%	0	0.0%
Heart Disorder	0	0.0%	2	40.0%	3	60.0%
Blood Disorder	0	0.0%	2	40.0%	3	60.0%
Kidney Disorder	0	0.0%	2	40.0%	3	60.0%
Metabolic Disorder	0	0.0%	2	40.0%	3	60.0%
Chronic Respiratory Disorder	0	0.0%	2	40.0%	3	60.0%
Immunosuppressed	0	0.0%	2	40.0%	3	60.0%
Neurological Disorder	0	0.0%	2	40.0%	3	60.0%
Seizure Disorder	0	0.0%	2	40.0%	3	60.0%
Bacterial Co-infection	1	20.0%	1	20.0%	3	60.0%
Obese**	1	20.0%	0	0.0%	4	80.0%
Morbidly Obese**	0	0.0%	1	20.0%	4	80.0%
Risk Factor***	2	40.0%	3	60.0%	0	0.0%
Vaccinated	1	20.0%	1	20.0%	3	60.0%

**Obesity and morbid obesity is not considered for individuals under 18 years or pregnant women. Thus total counts will not equal the total number of influenza-associated hospitalizations

***Risk factors for influenza include: persons < 5 years, persons ≥ 65 years, pregnant women, and persons with a chronic medical condition.

Case Counts of Influenza-associated Hospitalizations, Utah, 2011-2012

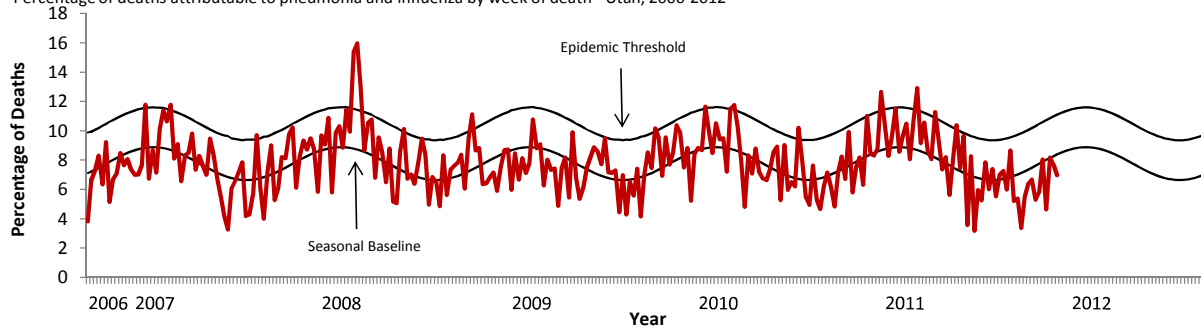| Case Status	Current Week	Current Week % of Cases	Season Total	Season % of Cases
Confirmed*	2	100.0%	4	80.0%
Probable**	0	0.0%	1	20.0%
Total	2	100.0%	5	100.0%

*Confirmed= hospitalized with serology, DFA, PCR, or culture positive influenza test
**Probable= hospitalized with a positive rapid test

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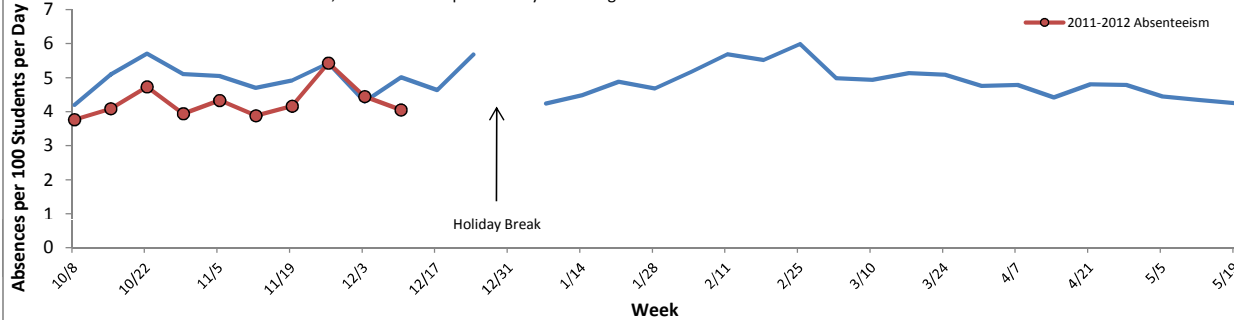## Pneumonia and Influenza Deaths

Pneumonia and Influenza Deaths
Percentage of deaths attributable to pneumonia and influenza by week of death - Utah, 2006-2012

School Absenteeism

Student Absenteeism by Week
Rates for absences due to all causes - Utah, 2011-2012 and previous 3 year average

Weekly Student Absenteeism - Utah, 2011-2012

Health District	All absences per 100 students/day
Bear River	2.9
Central	4.5
Davis	3.5
Salt Lake	3.9
Southeast	5.2
Southwest	5.2
Summit	4.4
Tooele	5.8
TriCounty	4.4
Utah	2.4
Wasatch	4.2
Weber-Morgan	5.1
State	4.1

Virologic Data

Unified State Laboratory: Public Health Virologic Data

	Season to-date		Current MMWR week	
	Number	**Percent**	**Number**	**Percent**
Specimens tested	119	--	15	--
Positive specimens	8	6.7%	2	13.3%
Positive Specimens by Type/Subtype				
Influenza A	7	87.5%	1	50.0%
A (2009 H1N1)	0	0.0%	0	0.0%
A (H1)	0	0.0%	0	0.0%
A (H3)	7	100.0%	1	100.0%
A (subtyping not performed)	0	0.0%	0	0.0%
A (unable to subtype)	0	0.0%	0	0.0%
Influenza B	1	12.5%	1	50.0%

Influenza Positive Tests

Influenza positive specimens tested by Unified State Laboratory: Public Health (USLPH) - Utah, 2011-2012